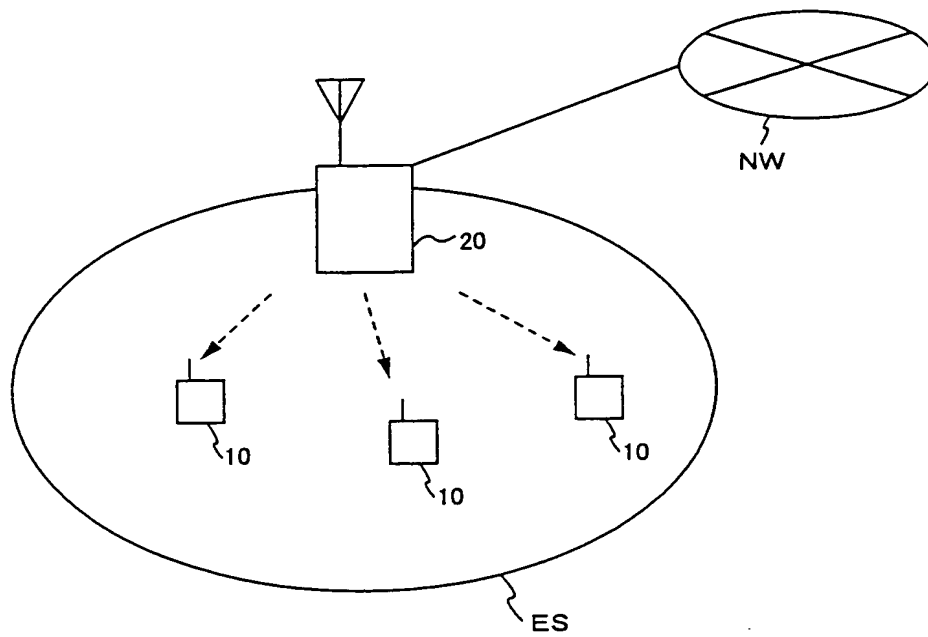


FIG. 1



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FIG. 2

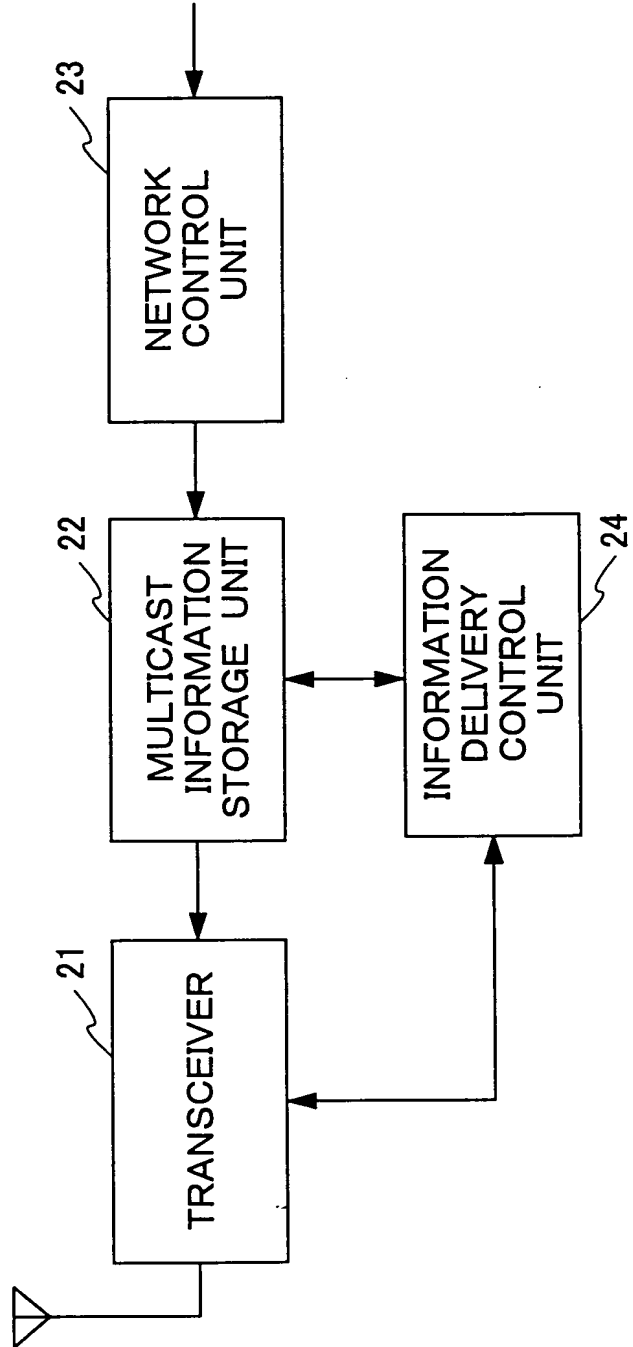


FIG.3

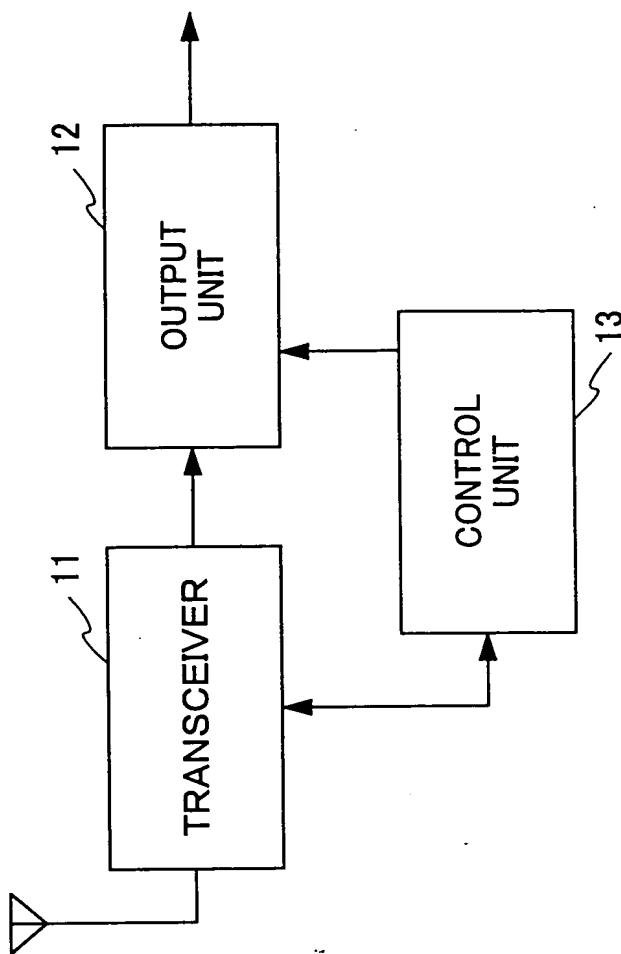


Diagram illustrating a cellular network configuration. A central Base Station (BS) is shown as a 3D cube. Twelve mobile stations, labeled A through L, are distributed around the BS. Stations A, B, C, D, and E are represented by solid black squares, while stations H, I, J, K, and L are represented by white squares with black outlines. Arrows indicate signal paths from the BS to stations H and I, labeled "PROCESSING GAIN P_{gb} OF SPREADING" and "PROCESSING GAIN P_{ga} OF SPREADING" respectively. A wavy line at the bottom is labeled E_s .

FIG. 5

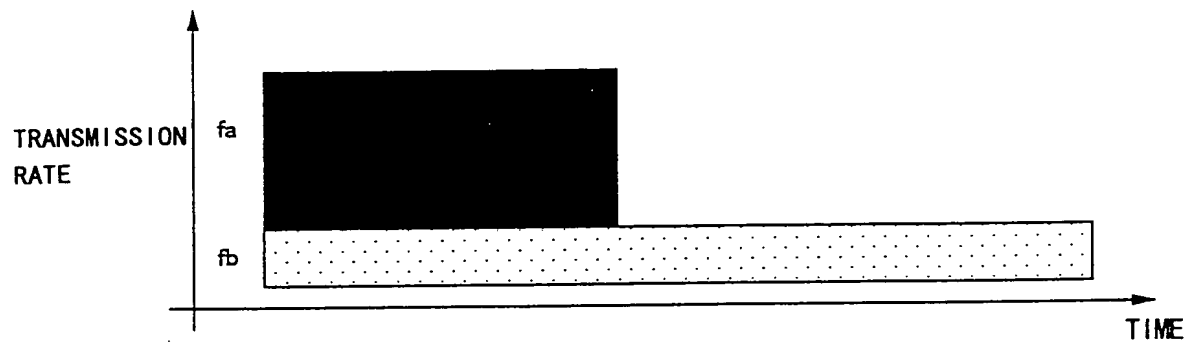


FIG. 6

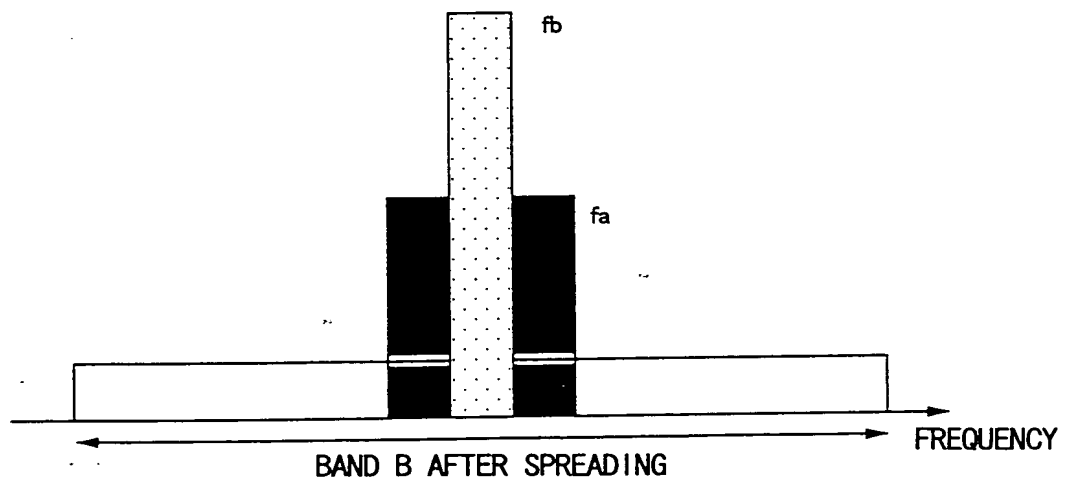
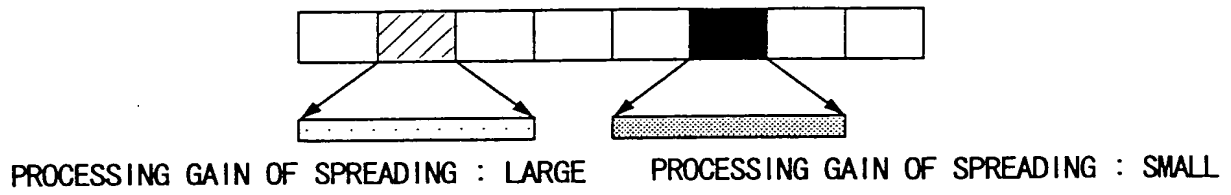


FIG. 7



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T.0E050" 7T74860

FIG. 8

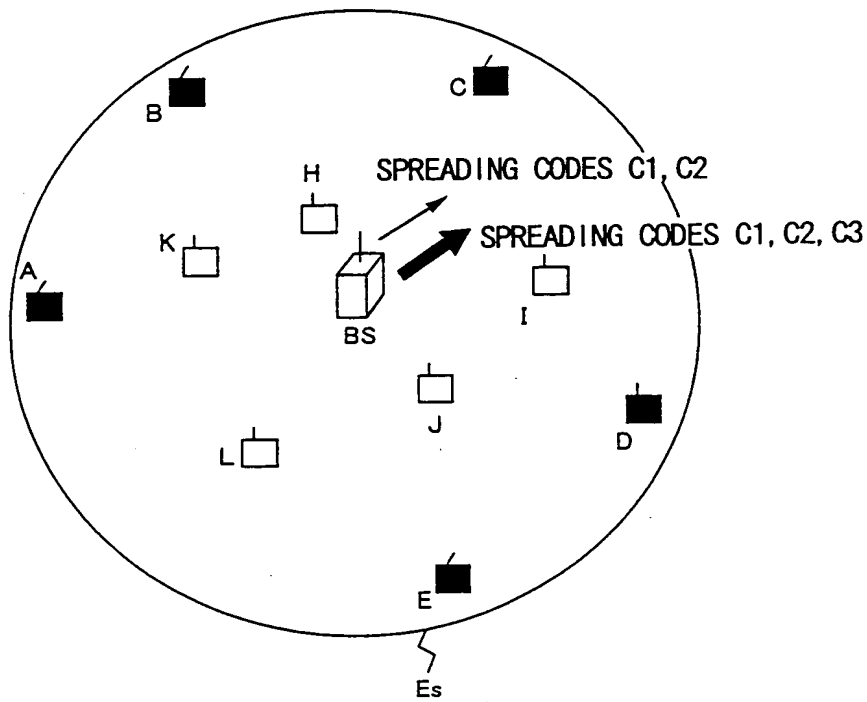


FIG. 8

FIG. 9

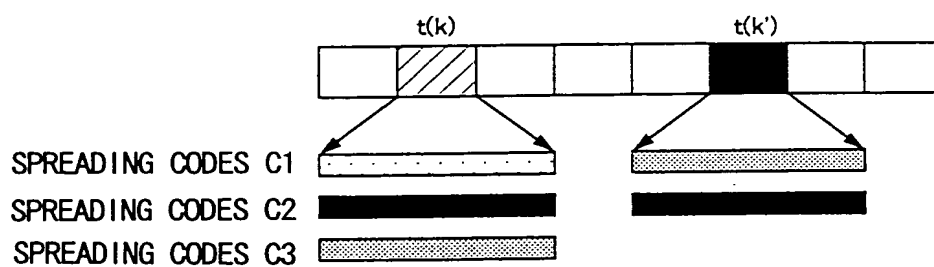


FIG. 9

FIG.10

NUMBER OF SPREADING CODES	RECEPTION QUALITY LEVEL	CORRESPONDING TRANSMISSION RATE
5 SPREADING CODES	RECEPTION QUALITY 5	T5
4 SPREADING CODES	RECEPTION QUALITY 4	T4
3 SPREADING CODES	RECEPTION QUALITY 3	T3
2 SPREADING CODES	RECEPTION QUALITY 2	T2
1 SPREADING CODES	RECEPTION QUALITY 1	T1

FIG. 11

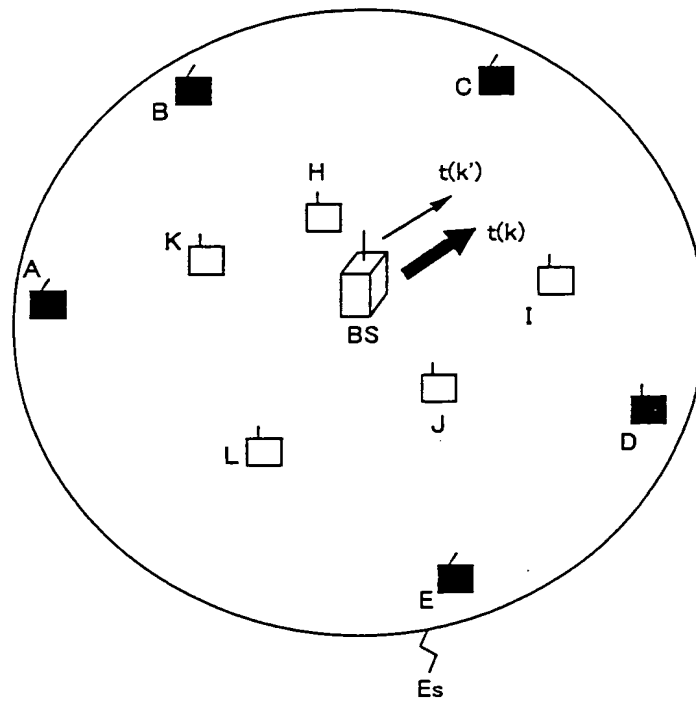
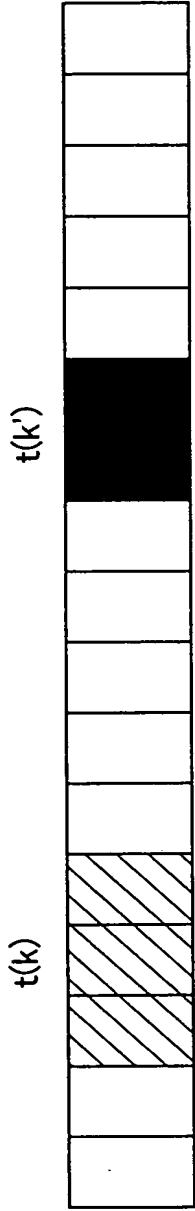


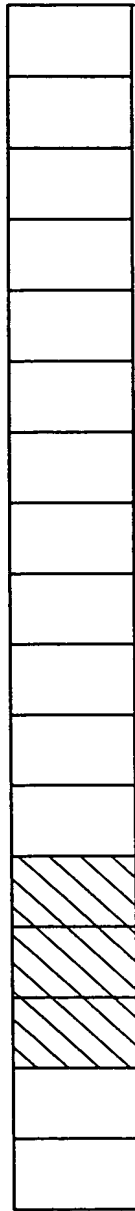
FIG. 11

FIG.12A



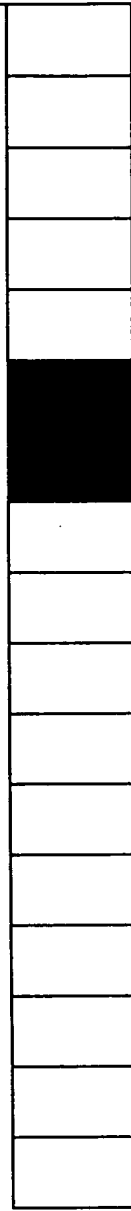
BASE STATION

FIG.12B



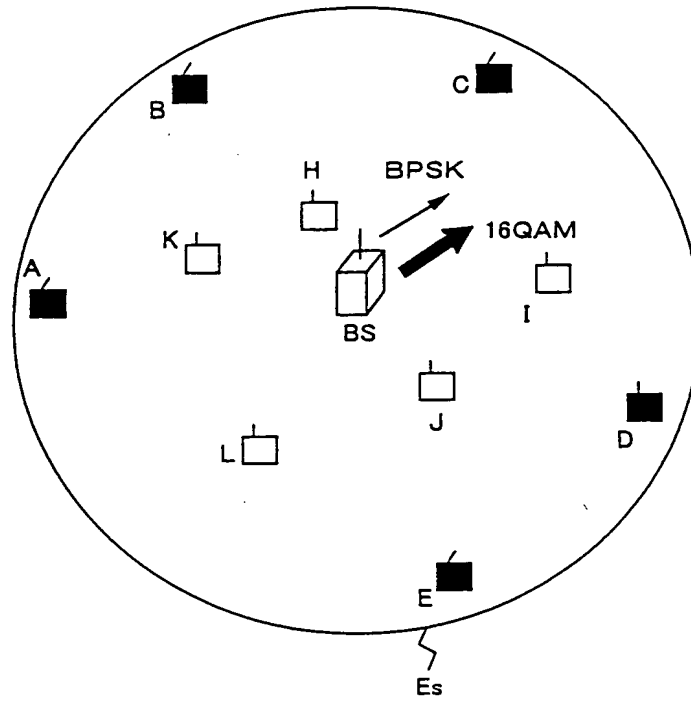
TERMINAL
(GROUP A)

FIG.12C



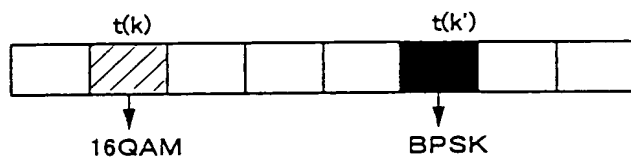
TERMINAL
(GROUP B)

FIG. 13



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FIG. 14



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T0E050" 4T424860

FIG.15

MODULATION SCHEME	RECEPTION QUALITY LEVEL	CORRESPONDING TRANSMISSION SPEED
256QAM	RECEPTION QUALITY 5	T5
64QAM	RECEPTION QUALITY 4	T4
16QAM	RECEPTION QUALITY 3	T3
QPSK	RECEPTION QUALITY 2	T2
BPSK	RECEPTION QUALITY 1	T1

FIG.16

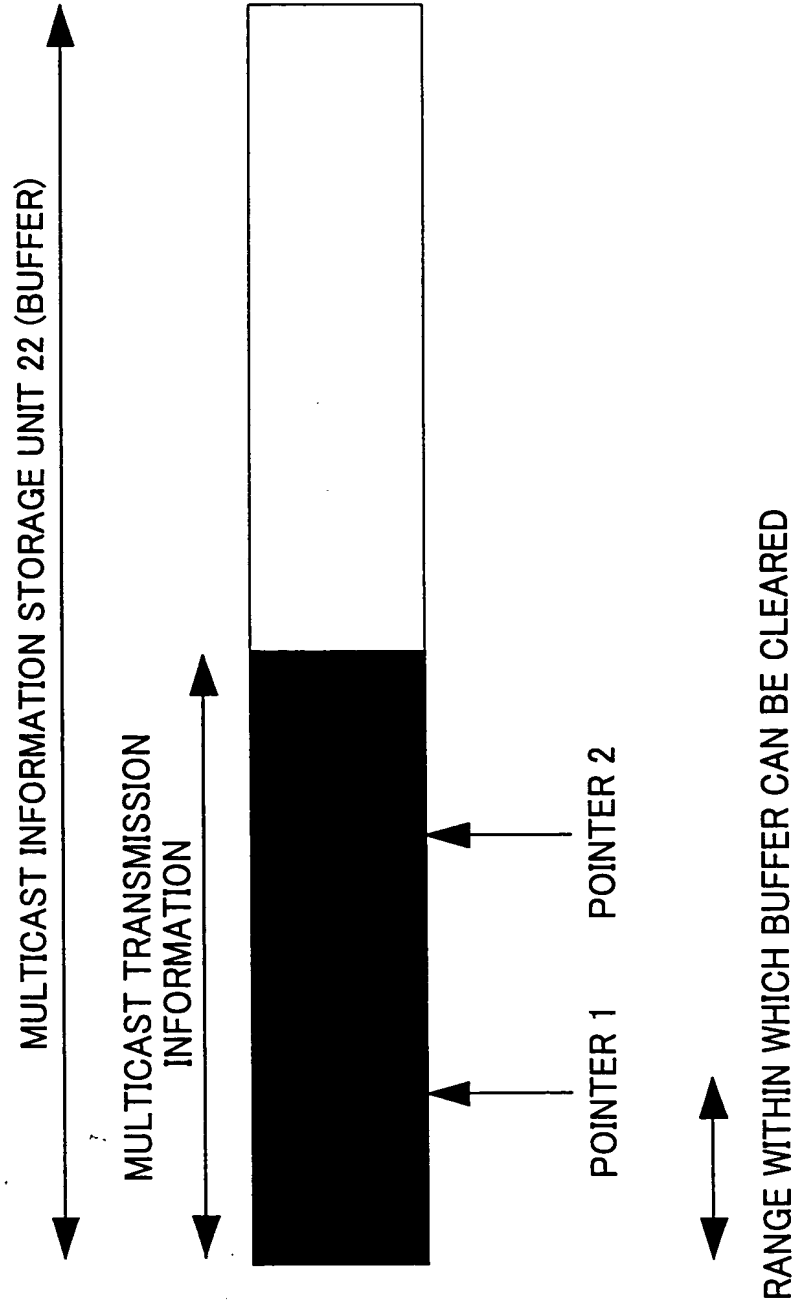
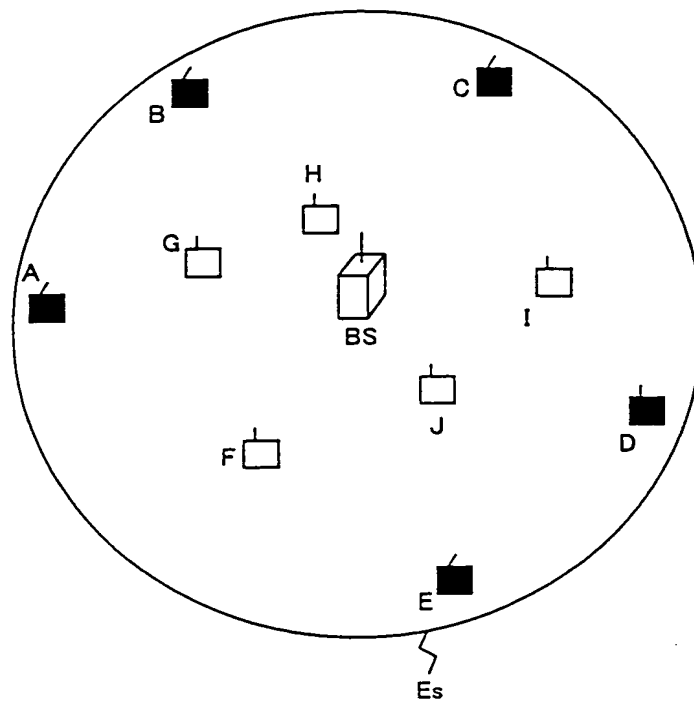


FIG. 17



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